

20/088598 #5/a

IC10 Rec'd PCT/PTO 21 MAR 2002

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of :  
Akio YAMANE : Attn: BOX PCT  
Serial No. NEW : Docket No. 2002\_0401A  
Filed March 21, 2002 :

HYBRIDIZATION SELF-RECOGNITION PROBE  
[Corresponding to PCT/JP00/06524  
Filed September 22, 2000]

PRELIMINARY AMENDMENT

Assistant Commissioner for Patents,  
Washington, DC 20231

Sir:

Prior to calculating the filing fee, please amend the above-identified application as follows:

IN THE SPECIFICATION

**Page 1, immediately after the title, please insert:**

This application is a 371 of PCT/JP00/06524 filed September 22, 2000.

**Page 14, line 2, please replace the paragraph with the following rewritten paragraph:**

A measuring solution (10 mM Tris-HCl, 1 mM EDTA, 50 mM NaCl, 10 ng/μl carrier DNA; 420 μl) was added to the solution treated for annealing (30 μl), and then fluorescence was measured using Shimazu RF-5000 (Ex = 494 nm, Em = 518 nm). Samples with readings exceeding the scale were appropriately diluted for measurements, and the fluorescent intensity of each original solution was calculated by appropriate conversion. The resulting fluorescent intensities are shown in Table 1.

ATTACHMENT E

**IN THE CLAIMS**

**Please amend the claims as follows:**

3. **(Amended)** The probe according to claim 1, wherein the labeling substance is selected from the group consisting of a fluorescent substance, a delayed fluorescent substance, and a chemiluminescent substance.

4. **(Amended)** The probe according to claim 1, wherein the energy-absorbing substance is an intercalator or a substance which specifically binds to a double-stranded nucleic acid.

6. **(Amended)** The probe according to claim 1, wherein the labeling substance is fluorescein, and the energy-absorbing substance is selected from the group consisting of pyrene, coumarin, and acridine.

7. **(Amended)** A solid phase carrier for detecting a nucleic acid, on which the probe of claim 1 is immobilized.

8. **(Amended)** A method for detecting a nucleic acid comprising the steps of contacting the probe of claim 1 with a nucleic acid sample and then measuring energy released from the labeling substance.

**REMARKS**

The specification has been amended to reflect the national stage status. A minor typographical error has been effected at page 14, line 9. In addition, the claims have been amended to remove the multiple dependencies in order to remove the improper multiple dependencies and to reduce the PTO fee.

A copy of the Sequence Listing in paper and computer readable form is enclosed herewith. These copies are identical and contain no new matter.

Attached hereto is a marked-up version of the changes made to the specification and claims by the current amendment. The attached pages are captioned "**Version with markings to show changes made.**"

Favorable action on the merits is solicited.

Respectfully submitted,

Akio YAMANE

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